(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 10 November 2005 (10.11.2005)

PCT

(10) International Publication Number WO 2005/105180 A1

(51) International Patent Classification⁷: A61M 3/02

(21) International Application Number:

PCT/GB2005/001612

(22) International Filing Date: 27 April 2005 (27.04.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 0409443.9 28 April 2004 (28.04.2004) GB

(71) Applicant (for all designated States except US): SMITH & NEPHEW, PLC [GB/GB]; 15 Adam Street, London WC2N 6LA (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): BLOTT, Patrick,

Lewis [GB/GB]; 16 Hodsow Fields, Barmby Moor, York YO24 4ER (GB). HARTWELL, Edward, Yerbury [GB/GB]; 3 Haven Garth, Brough, Hull HU15 1EP (GB). LEE-WEBB, Julian [GB/GB]; 37 Moor Lane, Copmanthorpe, York YO23 3TJ (GB). NICOLINI, Derek [GB/GB]; 38 Castle Rise, South Cave, Brough HU15 2ET (GB).

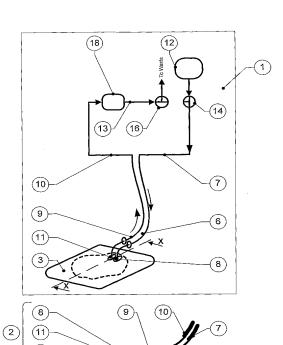
(74) Agent: DRAGGETT, Peter, Thornton; Smith & Nephew, York Science Park, Heslington, York YO10 5DF (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

[Continued on next page]

(54) Title: APPARATUS FOR ASPIRATING, IRRIGATING AND/OR CLEANSING OF WOUNDS

Section View on X-X



(57) Abstract: An apparatus (1) for cleansing wounds (5) in which irrigant fluid from a reservoir (12) connected to a conformable wound dressing (2) and wound exudate from the dressing are moved by a device (which may be a single pump or two pumps) for moving fluid through a flow path which passes through the dressing and a means for providing simultaneous aspiration and irrigation of the wound, and means for supplying physiologically active agents to the wound. The former provides a desired balance of fluid at a controlled nominal flow rate that removes materials deleterious to wound healing, while distributing materials that are beneficial in promoting wound healing over the wound bed. The latter maintains physiologically active agents at a level that promotes wound healing.

WO 2005/105180 A1

(5)

WO 2005/105180 A1



(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— with international search report